

**VIRGINIA
STANDARDS OF LEARNING ASSESSMENTS**

Spring 2001 Released Test

**GRADE 3
MATH**

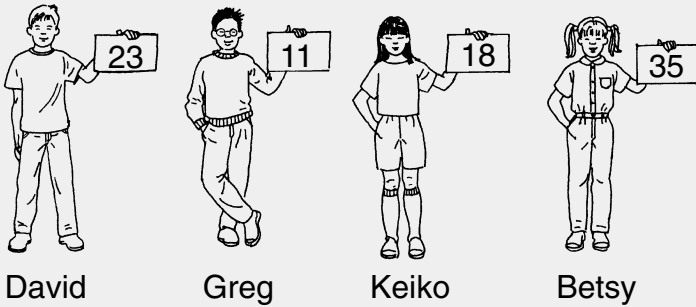
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DIRECTIONS

Read and solve each question. Then mark the space in the answer booklet for the best answer.

SAMPLE



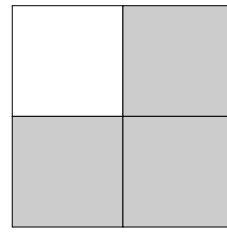
Who is holding a card with an even number on it?

- A David
- B Greg
- C Keiko
- D Betsy

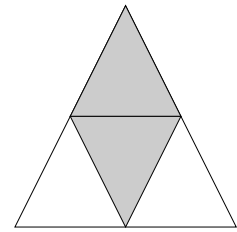
1 A deli made 423 sandwiches in one day. What is that number rounded to the nearest hundred sandwiches?

- A 500
- B 430
- C 420
- D 400

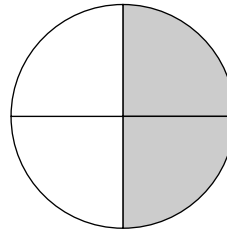
2



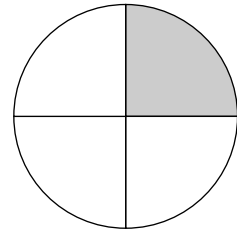
1



3



2

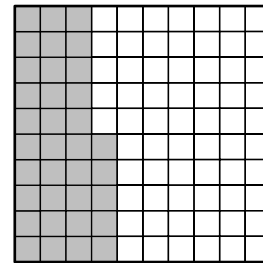


4

Which two figures have an equivalent fraction shaded?

- F 1 and 2
- G 2 and 3
- H 3 and 4
- J 1 and 4

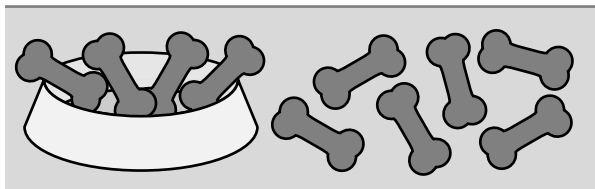
3



If the large square is 1, what is the shaded part of the large square?

- A 0.35
- B 0.65
- C 3.5
- D 35

- 4 What fraction of the group of bones is in the bowl?



F $\frac{4}{6}$

G $\frac{4}{10}$

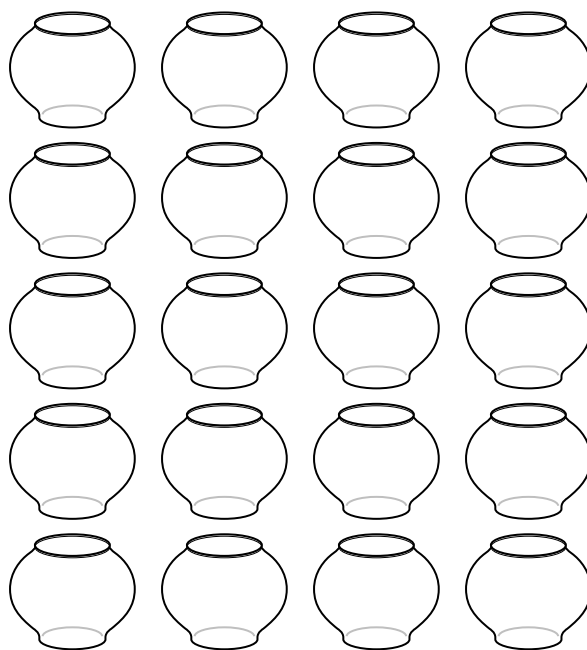
H $\frac{6}{10}$

J $\frac{1}{4}$

- 5 Which is true?

- A $6,293 < 4,526$
B $4,521 < 4,297$
C $6,750 < 6,150$
D $6,113 < 6,869$

6



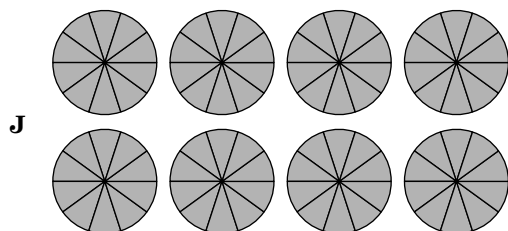
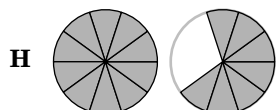
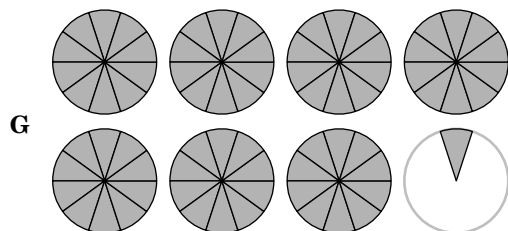
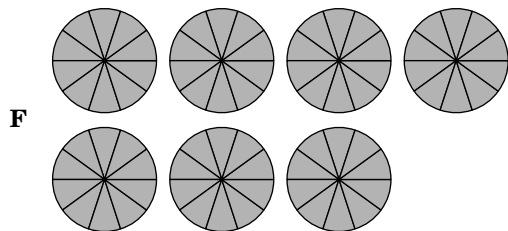
If Bob puts exactly 2 fish in each fishbowl, how many fish will he use?

- F 20
G 22
H 40
J 42

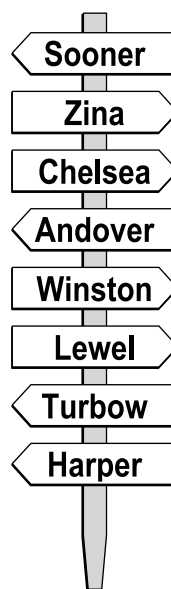
- 7 Which means seven hundred thousand five hundred ninety-two?

- A 70,592
B 700,592
C 705,920
D 7,005,920

8 Which represents exactly 1.7?



9



What sign is 4th from the top?

A **Andover**

B **Winston**

C **Chelsea**

D **Sooner**

10 What is the value of the 2 in 652,814?

- F 200
- G 2,000
- H 20,000
- J 200,000

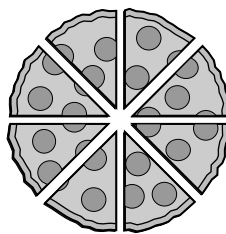
11 The chart shows the number of eggs produced on a farm in the first five months of the year.

Month	Number of Eggs
January	5,961
February	4,228
March	5,879
April	4,907
May	5,164

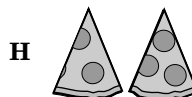
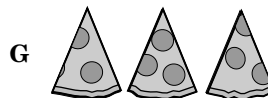
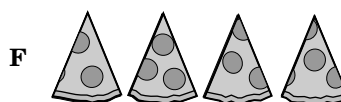
Which of the following statements is true?

- A The number of eggs produced in May was less than in March.
- B The number of eggs produced in April was less than in February.
- C The number of eggs produced in January was less than in March.
- D The number of eggs produced in March was less than in May.

12



Lisa ate $\frac{1}{8}$ of the pizza. How much of the pizza did she eat?



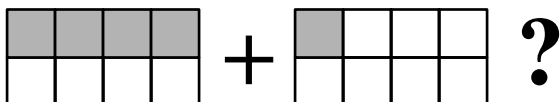
- 13 Mark had 8 baseball cards. He got some more baseball cards for his birthday. Then he had 17 in all. How many baseball cards did he get for his birthday?

A 6
B 7
C 8
D 9

- 14 This is a whole.



What is



F $\frac{1}{4}$

G $\frac{3}{8}$

H $\frac{5}{8}$

J $\frac{5}{1}$

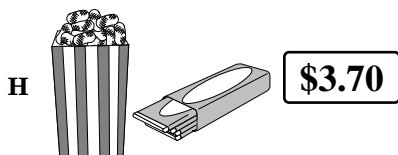
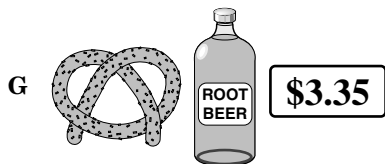
- 15 $4 \times 8 =$

A 12
B 28
C 32
D 36

- 16 Darryl has this money to spend on snacks at the movies.



Which two things can Darryl buy with this money?



17

$$54 \div 6 =$$

- A 7
- B 8
- C 9
- D 12

- 18 Mount Rogers is 5,729 feet high. Mount Hawksbill is 4,049 feet high. How much higher is Mount Rogers than Mount Hawksbill?

- F 680 ft
- G 1,239 ft
- H 1,680 ft
- J 1,720 ft

19



Mr. Jonas bought 27 bags of potatoes. Each bag weighed exactly 5 pounds. How many pounds of potatoes is that all together?

- A 32
- B 107
- C 130
- D 135

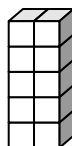
20 The chart shows the number of pages Lisa read during four days.

Day	Monday	Tuesday	Wednesday	Thursday
Pages Read	24	17	31	26

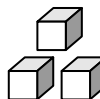
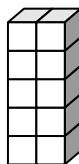
How many more pages did Lisa read on Wednesday than on Tuesday?

- F 14
- G 16
- H 24
- J 26

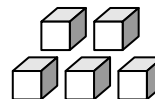
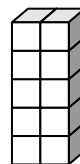
21 This is one. This is one tenth.



What is



+



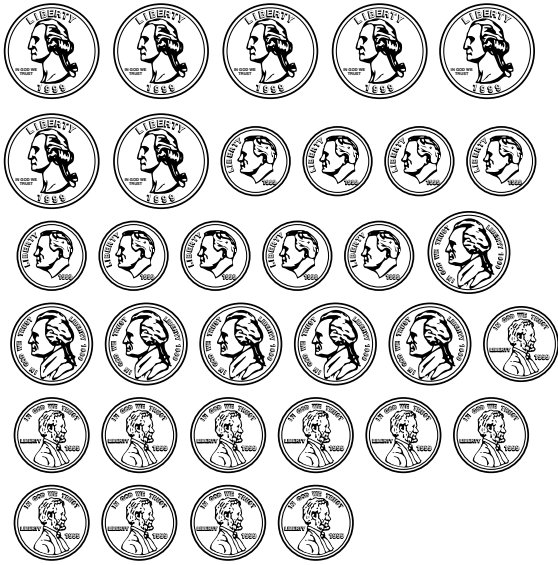
?

- A 2.8
- B 3.3
- C 3.5
- D 8.2

22 On the first day of their vacation, the Barry family drove 628 miles. On the second day, they drove 602 miles. How many miles did the Barry family drive in these two days?

- F 1,226
- G 1,230
- H 1,248
- J 1,330

- 23 What is the total value of the group of coins shown below?



- A \$1.91
- B \$2.06
- C \$2.33
- D \$3.06

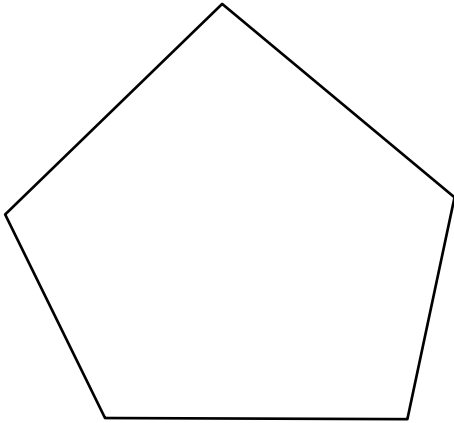
24

$$29 \times 2 = ?$$

Which problem can be solved using the number sentence in the box?

- F Sharon saw 29 boats on the lake and 2 boats at the dock. How many boats is that in all?
- G A parking lot has 29 cars in each row. There are 2 rows of cars. How many cars is that all together?
- H Mrs. Jensen had 29 rulers. She gave 2 to her students. How many rulers did she have left?
- J Travis had 29 cookies. If he puts 2 cookies in each lunch bag, how many lunch bags will he use?

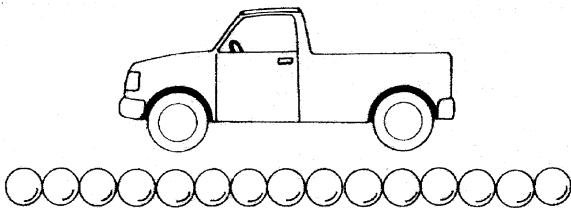
- 25 Use your centimeter ruler to help you answer this question.



Which is closest to the distance around this figure?

- A 12 centimeters
- B 15 centimeters
- C 18 centimeters
- D 20 centimeters

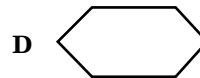
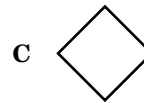
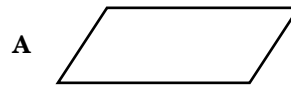
26

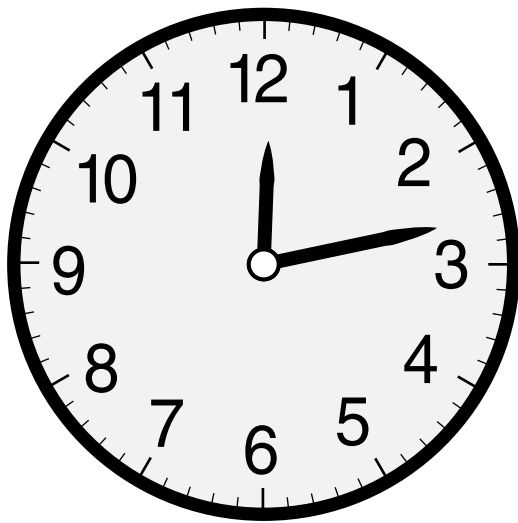


How many marbles long is the toy truck?

- F 8
- G 9
- H 12
- J 15

- 27 Nell drew a figure with 4 square corners. Which could be the figure she drew?





Which of these shows the same time as the clock above?

F



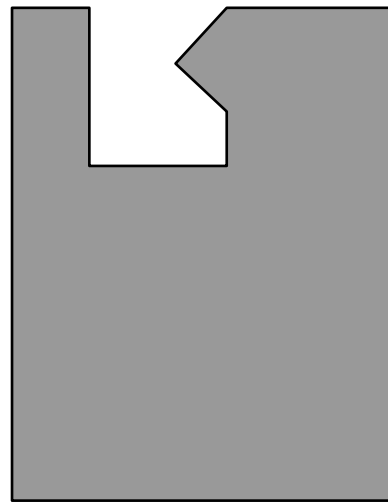
G



H

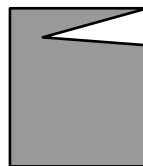


J

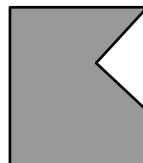


Iris cut a piece from this sheet of paper. Which is the piece that she cut?

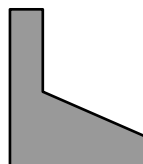
A



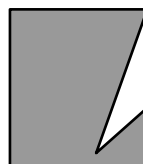
B



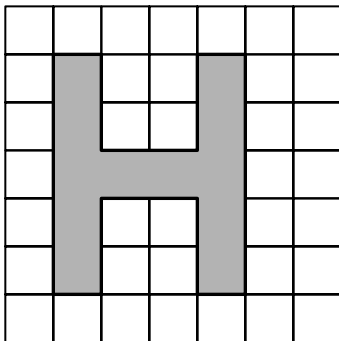
C



D



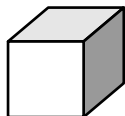
- 30 Each small square on the grid is 1 square unit.



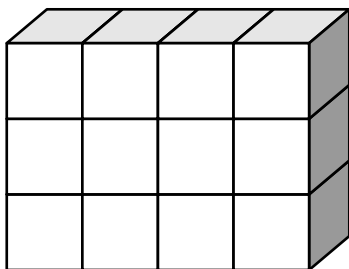
How many square units are needed to make the shaded figure?

- F 10
- G 11
- H 12
- J 14

- 31 This is 1 cube.



How many of these cubes are needed to make the group shown below?



- A 12
- B 16
- C 18
- D 19

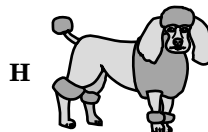
- 32 Which would weigh closest to 10 pounds?



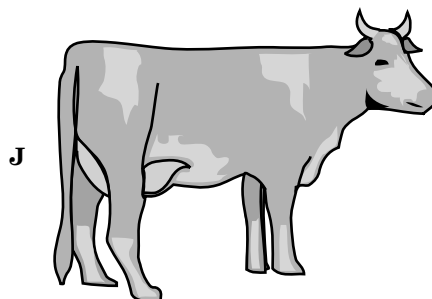
a caterpillar



a butterfly



a poodle

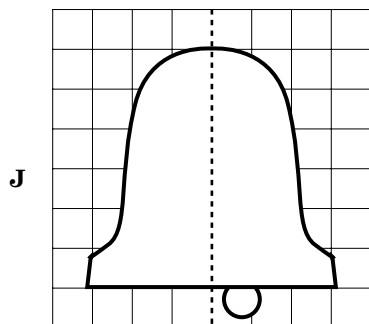
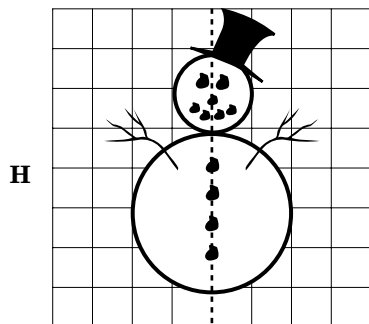
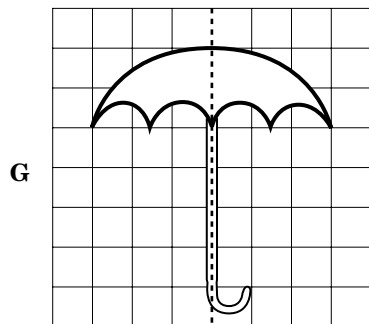
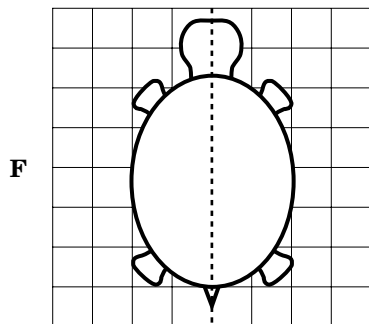


a cow

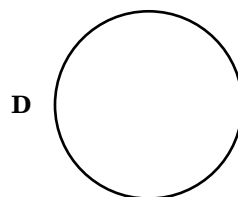
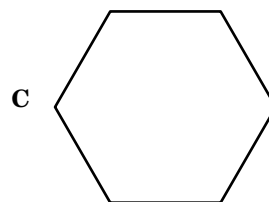
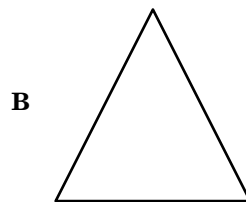
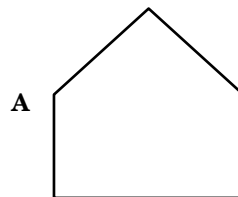
- 33 Dwight spent 1 week at summer camp. What is the total number of days in 1 week?

- A 2
- B 4
- C 5
- D 7

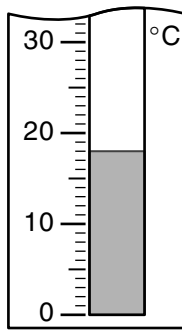
34 In which figure is the dotted line a line of symmetry?



35 Which could be one of the faces of a cylinder?



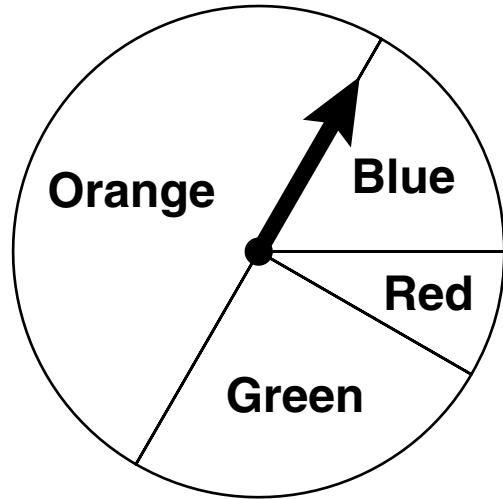
36



Which is closest to the temperature shown on this thermometer?

- F 10°C
- G 20°C
- H 25°C
- J 28°C

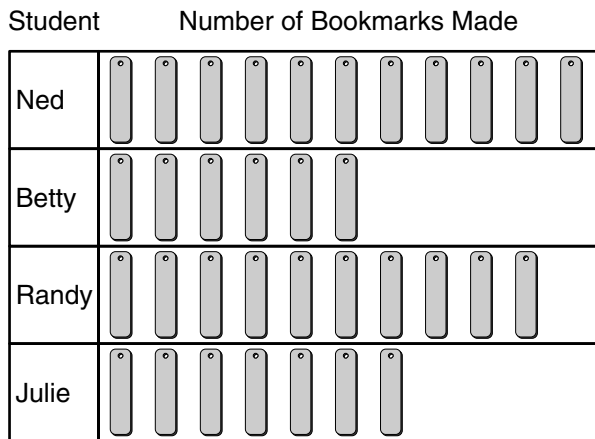
37 The picture below shows how a game spinner looked before Tim spun it.




When Tim spins the arrow on this spinner, on which space is the arrow **MOST LIKELY** to land?

- A Red
- B Blue
- C Green
- D Orange

- 38 Four students made bookmarks to sell at the school fair. The graph shows the number of bookmarks each student made.



Each  represents 2 bookmarks.

How many more bookmarks did Ned make than Julie?

- F 6
- G 8
- H 16
- J 18

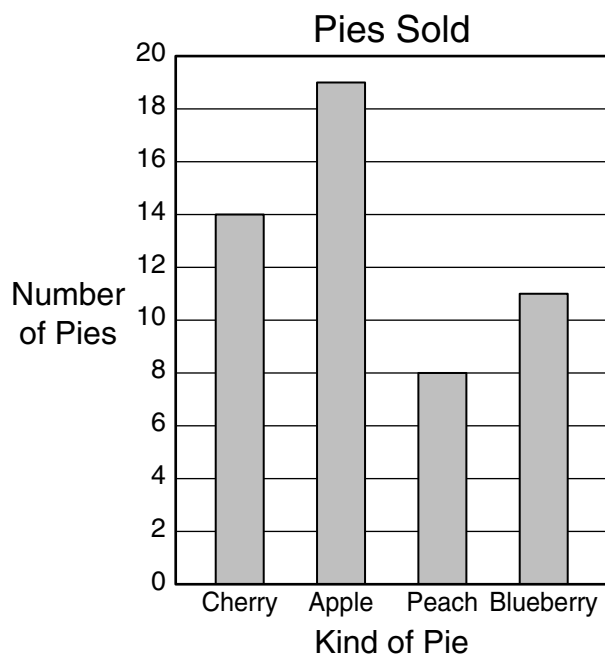
39

JANUARY						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11		

Wendy is making this calendar for the bulletin board. What day of the week should January 22 be on?

- A Sunday
- B Monday
- C Wednesday
- D Friday

- 40 The bar graph shows the number of pies sold during a bake sale.





























How many more apple pies were sold than peach?

- F 5
- G 8
- H 10
- J 11

- 41 The graph shows the favorite winter activities of the students in Randy's class.

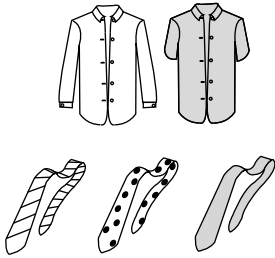
Favorite Winter Activities

Activity	Number of Votes
Skiing 	  
Ice Skating 	     
Sledding 	        
Hockey 	   

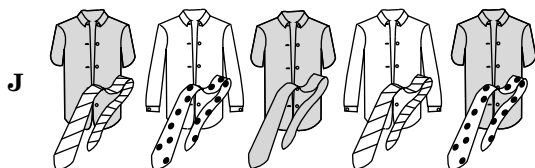
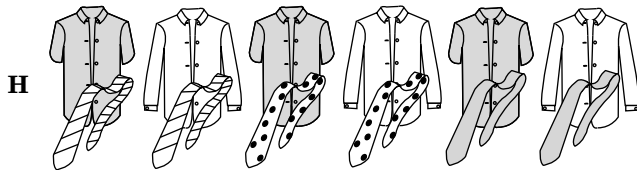
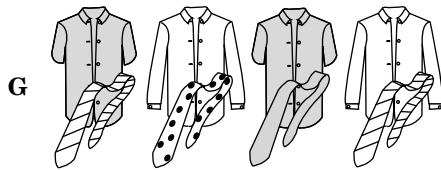
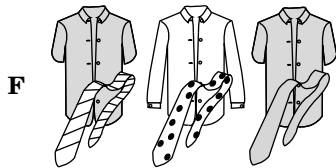
How many fewer liked hockey than sledding?

- A 3
- B 4
- C 5
- D 6

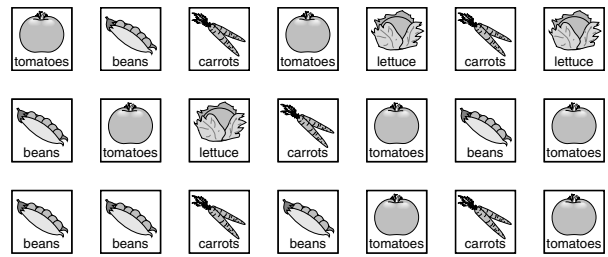
- 42 Roland has these shirts and ties to choose from.



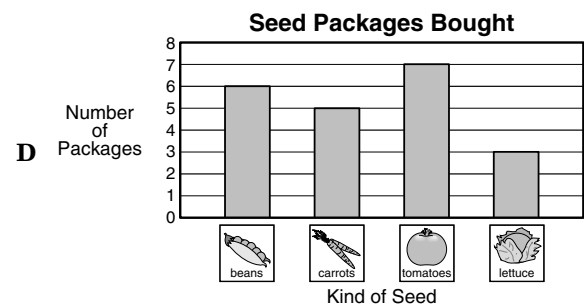
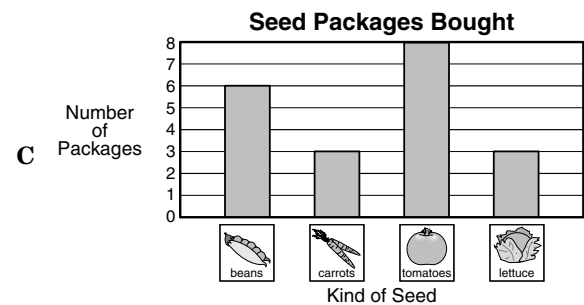
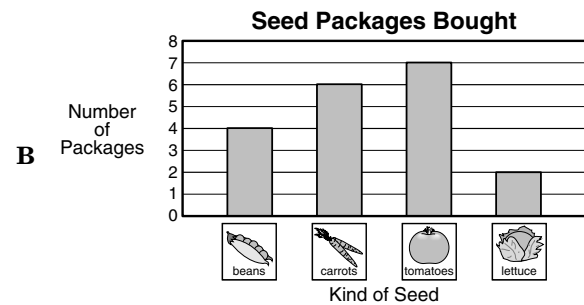
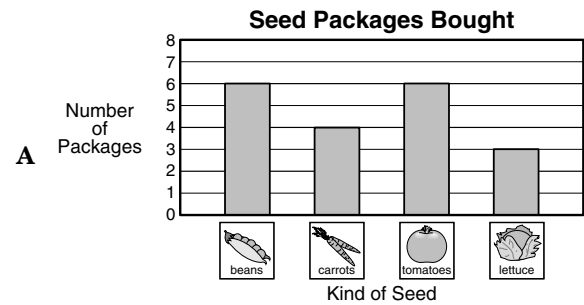
Which shows all the different ways he can combine 1 tie and 1 shirt?



43



Robert bought the packages of seeds shown above. Which bar graph correctly shows the number of packages Robert bought?



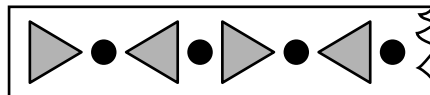
- 44 The table shows the amount of time Karen spent practicing ice skating.

Day	Practice Time
Monday	30 minutes
Tuesday	45 minutes
Wednesday	60 minutes
Thursday	75 minutes
Friday	90 minutes
Saturday	?

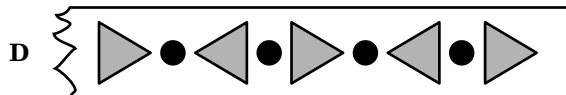
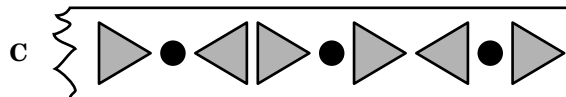
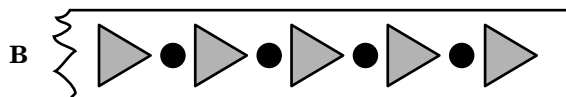
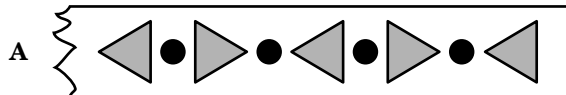
If the pattern in the table continues, how many minutes will Karen spend practicing on Saturday?

- F 95
G 100
H 105
J 110

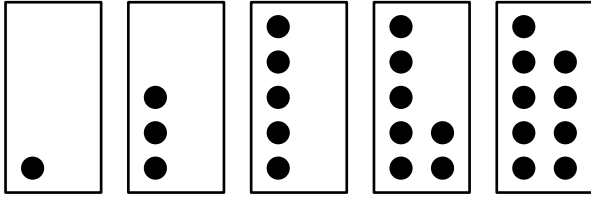
- 45 Look at the pattern of shapes on this section of wallpaper.



Which of the following would continue the pattern shown?

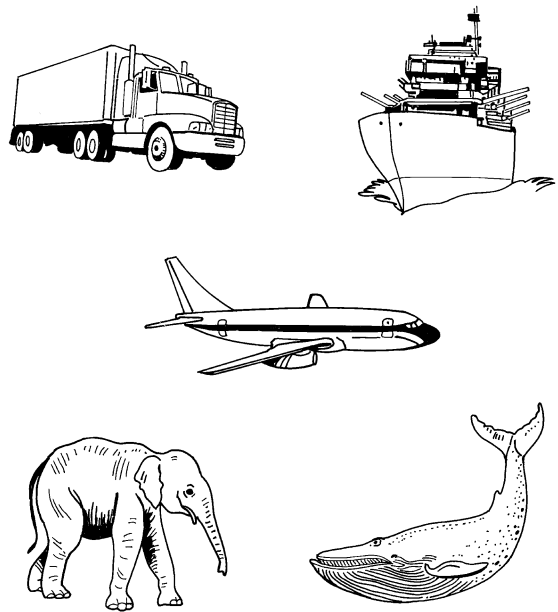


- 46 Which best describes the pattern of dots on the blocks?



- F Each block has exactly one more dot than the one before it.
- G Each block has two dots on it.
- H Each block has exactly two more dots than the one before it.
- J Each block has three or four dots on it.

47



Which is the best title for the group shown above?

- A Things that have wheels
- B Things that are big
- C Things that are alive
- D Things that float

- 48 What would be the next 3 numbers in this pattern?

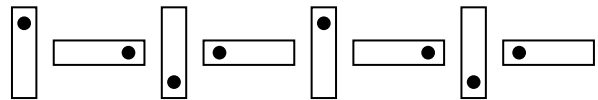
9, 12, 15, 18, 21, 24, 27, —, —, —

- F 28, 29, 30
- G 30, 32, 34
- H 30, 33, 36
- J 33, 36, 39

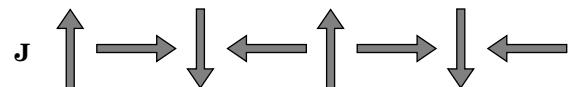
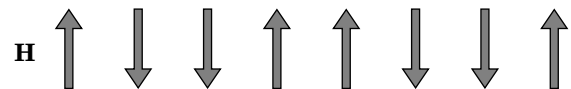
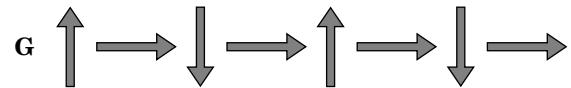
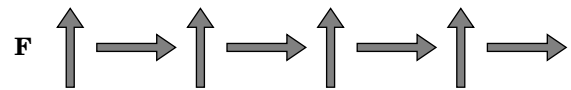
49 Lily has 7 blue T-shirts and some red T-shirts in her drawer. There are 16 T-shirts all together. How many T-shirts are red?

- A 8
- B 9
- C 11
- D 23

50 Look at this pattern of shapes.



Which of these shows the same kind of pattern?



Answer Key

Test Sequence	Correct Answer	Reporting Category	Reporting Category Description
1	D	006	Number and Number Sense
2	G	006	Number and Number Sense
3	A	006	Number and Number Sense
4	G	006	Number and Number Sense
5	D	006	Number and Number Sense
6	H	006	Number and Number Sense
7	B	006	Number and Number Sense
8	H	006	Number and Number Sense
9	A	006	Number and Number Sense
10	G	006	Number and Number Sense
11	A	006	Number and Number Sense
12	J	006	Number and Number Sense
13	D	006	Number and Number Sense
14	H	007	Computation and Estimation
15	C	007	Computation and Estimation
16	G	007	Computation and Estimation
17	C	007	Computation and Estimation
18	H	007	Computation and Estimation
19	D	007	Computation and Estimation
20	F	007	Computation and Estimation
21	A	007	Computation and Estimation
22	G	007	Computation and Estimation
23	D	007	Computation and Estimation
24	G	007	Computation and Estimation
25	C	008	Measurement and Geometry
26	G	008	Measurement and Geometry
27	C	008	Measurement and Geometry
28	F	008	Measurement and Geometry
29	B	008	Measurement and Geometry
30	H	008	Measurement and Geometry
31	A	008	Measurement and Geometry
32	H	008	Measurement and Geometry
33	D	008	Measurement and Geometry
34	F	008	Measurement and Geometry
35	D	008	Measurement and Geometry
36	G	008	Measurement and Geometry
37	D	009	Probability and Statistics
38	G	009	Probability and Statistics
39	B	009	Probability and Statistics
40	J	009	Probability and Statistics
41	D	009	Probability and Statistics
42	H	009	Probability and Statistics
43	D	009	Probability and Statistics
44	H	010	“Patterns, Functions, and Algebra”
45	D	010	“Patterns, Functions, and Algebra”
46	H	010	“Patterns, Functions, and Algebra”
47	B	010	“Patterns, Functions, and Algebra”
48	H	010	“Patterns, Functions, and Algebra”
49	B	010	“Patterns, Functions, and Algebra”
50	J	010	“Patterns, Functions, and Algebra”